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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/989,136	11/20/2001	Ylian Saint-Hilaire	042390.P12982	9435

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EXAMINER

PEYTON, TAMMARA R

ART UNIT	PAPER NUMBER
2182	

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/989,136

Applicant(s)

SAINT-HILAIRE ET AL.

Examiner

Tammara R. Peyton

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) 16-30 and 41-44 is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 and 31-40 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-15 and 31-40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Richard, III, Golden G., Service Advertisement and Discovery: Enabling Universal Device Cooperation, IEEE Internet Computing, Sept-Oct 2000 (hereafter Golden).

As per claims 1-15 and 31-40, Golden teaches a method for controlling a remote device, comprising:

defining a service-specific protocol (UPnP, Bluetooth, Jini, etc.) to facilitate remote control of a service provided by the remote device;

sending data corresponding to the service provided by the remote device via a host-side software module running on a host computer in a format defined by the service-specific protocol from the host computer to the remote device over a network communication link;

sending control commands from the host computer to the remote device based on the service-specific protocol to cause the remote device to perform the service using the data that are sent to the remote device.

Golden teaches, on page 18, paragraphs 1-4 and page 19, the use of Universal Plug and play, Bluetooth, Jini, and Salutation for providing a user with a set of device descriptions and list of associated device services, which allow for selective retrieval of service descriptions, and allow for invoking the control actions via service specific protocols. Golden obviously teaches the use of UPnP for audio/video entertainment and the use of Universal Plug and Play for providing a user with a set of device descriptions, each conveying its capabilities, and a list of associated device services, which allow for selective retrieval of service descriptions via service specific protocols, Fig. 4, pgs. 23-24. Further, Applicant argues that Bluetooth or Jini does not implement service-specific protocols to facilitate remote control of a service provided by the remote device.

Bluetooth's SDP specifically teaches service discovery wherein it defines a standard attribute ProtocolDescriptorList which enumerates appropriate protocols for communication with a service, page 20. It would have been obvious to one of ordinary skill that Bluetooth devices can form a 'network' comprising of a host device and a remote device wherein communication is implemented in a appropriate protocol format over the 'network' communication link, page 18. Jini also teaches service discovery that consists of services, lookup server, and clients. In order to discover a service of a client the lookup server uses a multicast request protocol to announce its presence on the network. (See Fig. 2, pg. 20 and Fig. 3, pg. 21) It would have been obvious It would have been obvious to one of ordinary skill that Jini teaches a discovery service for client devices on a 'network' comprising of a host client device and a remote service device

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wherein communication is implemented in a appropriate service specific protocol over the network communication link.(pgs. 18-26)

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tammara Peyton whose telephone number is (571) 272-4157. The examiner can normally be reached between 6:30 - 4:00 from Monday to Thursday, (I am off every first Friday), and 6:30-3:00 every second Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Huynh can be reached on (571) 272-4147. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Any inquiry of a general nature of relating to the status of this application should be directed to the Group receptionist whose telephone number is (571) 272-2100.

Mailed responses to this action should be sent to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231.

Faxes for Official/formal (After Final) communications or for informal or draft communications (please label "PROPOSED" or "DRAFT") sent to:


(571) 273-8300

Hand-delivered responses should be brought to:

USTPO, Randolph Building, Customer Service Window

401 Dulany Street

Alexandria, VA 22314.

  
**TAMMARA PEYTON**  
**PRIMARY EXAMINER**

Tammara Peyton

October 14, 2006